AGENCY REQUEST FOR
AE SELECTION
SEPTEMBER 2016

AGENCY: Department of Military Affairs

DMA CONTACT: LTC Todd F. Lundin, 608-242-3365, todd.lundin@wi.gov

DFD CONTACT: RJ Binau, (608) 267-6927, rj.binau@wisconsin.gov

LOCATION: Fort McCoy, Monroe

PROJECT REQUEST: Select A/E to prepare a preliminary design and Design Report for the SBC and then continue to 100% design and construction administration services for FORT MCCOY – MATES Upgrade Exhaust Hoods.

PROJECT NUMBER: 16H3J

PROJECT DESCRIPTION: Upgrade industrial ventilation systems to bring into compliance with OSHA and NGB standards. Work will include necessary adjustments and/or tie in to the building's HVAC system as well as upgrading the HVAC system to be controlled via DDC system to optimize ventilation throughout the facility. There are 26 vehicle exhaust systems of which 6 need significant repair or possibly replacement. The remaining 20 systems need basic repairs to keep them operational per required standards. There are 12 work area ventilation hoods of which 3 need significant repair with the balance needing basic maintenance.
Upgrade MATES HVAC system to incorporate sensors and alarms for detection of carbon monoxide and Nitrogen Oxide. Alarms should be visual, audible and tie back to the shop supervisor's office. Work will include upgrade of breathing air supply system with carbon monoxide sensor to be compliant with UFC 3-410-04N (section 2-7.3.2).

PROJECT JUSTIFICATION: WIARNG Industrial Hygiene office has identified these ventilation systems not meeting OSHA or NGB requirements. The Industrial Hygiene report categorized the majority of the deficiencies as RAC 2 which indicates a "serious" health risk to employees. Current hoods cannot move the volume of exhaust necessary to keep air quality levels in a safe range for personnel working in the area. Currently the hoods that are in place pose a safety risk by not properly ventilating CO out of the shop work areas. Also, since facility is a vehicle maintenance shop which may have the need to operate vehicle engines indoors during maintenance procedures there is a risk of carbon monoxide and nitrogen oxide to be present at unsafe levels.

BUDGET/SCHEDULE:

	Federal	State	Total
Construction	$	$0	$
Design	$	$0	$
DFD Mgmt.	$	$0	$
Contingency	$	$0	$
TOTAL	**$585,000**	$0	**$585,000**

A/E Selection	OCT 2016
Design Report	FEB 2017
SBC Approval	MAR 2017
Bid Opening	JUN 2017
Start Construction	AUG 2017
Substantial Completion	DEC 2017
Final Completion	JAN 2018

PREVIOUS ACTION: N/A